



DESIGN <i>KE</i>	DRAWN BY <i>KE</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>MA</i>	APPROVED <i>KS</i>	DRAWING NO. D2689	REV. B SHEET 1 OF 1
DATE 99.04.20		TITLE MATERIAL SPECIFICATION	SCALE NTS
A	97.06.19	NEW ISSUE	
B	99.04.20	REVISED PROPERTY VALUES	

RELEASED  
99.04.20 KE

## UHMW MATERIAL SPECIFICATION

### MINIMUM MATERIAL PROPERTY VALUES

\*REFERENCE DART REPORT DR-1041

YIELD TENSILE 2900 PSI  
ULTIMATE TENSILE 4600 PSI  
YIELD SHEAR 2200 PSI  
ULTIMATE SHEAR 3500 PSI  
YIELD BEARING 2800 PSI  
ULTIMATE BEARING 4200 PSI  
FLEXURAL MODULUS 105000 PSI

### APPROVED MATERIALS:

- 1) TIVAR 1000 MANUFACTURED BY POLY HI SOLIDUR